



UNITED STATES MARINE CORPS  
MARINE CORPS AIR FACILITY  
2100 ROWELL ROAD  
QUANTICO, VIRGINIA 22134-5063

IN REPLY REFER TO

AFO 3121.1D  
AF 143

0 SEP 1999

AIR FACILITY ORDER 3121.1D C&I

From: Commanding Officer  
To: Distribution List

Subj: DESTRUCTIVE WEATHER BILL

Ref: (a) MCO 3730.1A  
(b) OPNAVINST 3140.24E  
(c) AFO P3700.1D  
(d) AT/FPP-99  
(e) MCBO P11210.1A  
(f) AFO 11210.1E

Encl: (1) Terminology Definitions  
(2) Conditions of Readiness and Precautionary Measures  
(3) Conditions of Readiness Charts  
(4) Weather Advisory/Warning Call Sheet  
(5) MCAF Airfield Operations Message

1. Purpose. To outline preparatory and emergency action to be executed upon the approach or passage of a windstorm, thunderstorm, tornado, hurricane, winter storm or blizzard in accordance with the provisions of references (a) through (f).

2. Cancellation. AFO 3121.1C.

Background

a. Reference (a) prescribes the joint policy and responsibility regarding hurricane evacuation procedures for military aircraft in the continental United States. Reference (b) promulgates information concerning hazardous and destructive weather phenomena, and establishes conditions of readiness in anticipation of hazardous or destructive winds. Reference (c) provides aircraft refueling instructions based on weather warning and average annual weather data for Marine Corps Air Facility (MCAF) Quantico, and weather minima for VFR, SVFR, and IFR Operations. Reference (d) promulgates information concerning emergency operations for Marine Corps Base (MCB), Quantico as outlined in the Commonwealth of Virginia Emergency Operations Plan. Reference (e) promulgates policy and procedures for action/reaction with regard to the effects of major snowfalls upon operations at MCB, Quantico. Reference (f) promulgates procedures and responsibilities for clearing snow and ice from Marine Corps Air Facility (MCAF), Quantico.

b. Storms are a potential threat to personal safety, aircraft, equipment and installations. Adequate and timely warnings coupled with prompt and effective action, by all personnel, will minimize the loss and damage resulting from destructive weather.

c. Currently HMX-1 has sufficient hangar space at MCAF, Quantico for the stowage of all its assigned aircraft. To ensure airfield services are available during aircraft departures, should unusual conditions require aircraft evacuations, the flyaway will be coordinated with the MCAF Operations Officer (S-3).

d. Enclosure (1) is provided to assist personnel in defining specific weather events and associated warnings.

#### 4. Conditions of Readiness

a. Setting of windstorm, tropical storm, hurricane, winter storm and blizzard conditions, as required by references (b) and (d), will be in accordance with the conditions outlined in enclosure (2) and summarized in enclosure (3).

b. The hurricane season for this locale exists annually between 1 June and 1 December. During this period, MCAF, Quantico will automatically assume Hurricane Condition IV.

c. Hurricane conditions for MCAF, Quantico will be set and secured by Commanding General, Marine Corps Base (MCB), Quantico.

d. Commanding Officer MCAF, Quantico can establish a more stringent condition of readiness if required.

#### 5. Assignment

a. The MCAF Officer of the Day is designated as the Hurricane Evacuation Control Officer.

b. The MCAF Duty Noncommissioned Officer is designated as the Officer-in-Charge of Emergency Evacuation Assembly Center.

#### 6. Action

##### a. Operations Officer

(1) When weather conditions require, establish the Emergency Coordination Center.

AFO 3121.1D  
01 SEP 1999

(2) Send a message to COMCABEAST, COMMARFORLANT, CMC, and all air activities when temporary restrictions upon MCAF, Quantico Airfield Operations have been imposed or cancelled. Enclosure (5) is provided as a sample of this message.

(3) On order from the Commanding Officer, initiate the evacuation of all nonessential MCAF personnel.

(4) On order from the Commanding Officer, initiate a recall of MCAF personnel who have been evacuated.

**b. Weather Service Chief**

(1) Keep the Commanding Officer, MCAF, via the Operations Officer, advised of weather conditions and on his order, set wind warnings and thunderstorm conditions as appropriate.

(2) Inform all activities or sections listed in enclosure (4), and any visiting squadrons, when storm or hurricane conditions are set, changed, or cancelled.

**c. Tenant Activities**

(1) Request coordination be made with MCAF Operations for any airfield support requirements when Hurricane/Tropical Storm/Storm Condition III is set. Indicate whether hurevac flyaway requirements exists and if so, provide number and type of aircraft.

(2) Request an annual review of this order be completed and submit recommended changes to the MCAF Operations Officer by 15 March of each year.

(3) Request you provide MCAF Logistics Officer (S-4) with the required reports when appropriate unit readiness has been completed.

**d. Logistics Officer**

(1) Ensure adequate supply of rations and water are available for the Emergency Evacuation Assembly Centers and MCAF personnel in the barracks.

(2) Report to the MCAF Commanding Officer when all required action for destructive weather preparation has been completed.

AFO 1312.1D  
01 SEP 1999

(3) Ensure adequate numbers of vehicles and drivers are available for area evacuation if necessary.

(4) When weather conditions require, establish the MCAF Emergency Evacuation Assembly Center.

e. Personnel Living Off Base

(1) When Hurricane Condition I is set, all personnel residing off base will proceed to their quarters when released by the Commanding Officer, unless duties require otherwise, and remain there until recalled or Hurricane Condition IV is set. Public Affairs Officer will provide necessary information via these radio stations:

<u>RADIO</u>	<u>TV</u>
WDCT - 1310 AM	WRC TV - Channel 4
WFLS - 1350 AM, 93.3 FM	WTTG TV - Channel 5
WFVA - 1230 AM	WJLA TV - Channel 7
WCQB - 101.5 FM	WUSA TV- Channel 9
WPWC - 1480 AM	NEWS Channel 8 Springfield
WMAL - 630 AM	
WRQX - 107.3 FM	
WPGC - 1580 AM, 95.5 FM	

(2) When Hurricane Condition I is suspended and Hurricane Condition IV is reset, the following guidelines will be used to determine the required reporting times for duty: If prior to 0700 report at 0800. If after 0700 but prior to 1200 report at 1300, if after 1200 or any time during a "non-duty day" report at 0730 the next duty day, unless recalled by the command.

f. Personnel Living On Base

(1) All liberty will be cancelled for personnel residing on base upon assumption of Hurricane Condition I or when directed by the Commanding Officer, MCAF, Quantico or higher authority.

(2) Unless Condition I is in effect, on-base personnel will report for duty as required. If in doubt, on-base personnel will contact their respective duty officer for instructions.

AFO 1312.1D  
01 SEP 1999

g. Officer-in-Charge of Emergency Evacuation Assembly  
Centers (EAC)

(1) Make advance preparation of food, water and storm equipment.

(2) If area evacuation becomes necessary, organize troops for trucking and supervise loading of vehicles.

(3) Contact the MCAF Emergency Coordination Center with problems and requests for support.

(4) Deactivate the EAC on order of the MCAF Emergency Coordination Center.

7. EAC and Air Facility Emergency Coordination Center will be located and manned as follows:

LOCATION

PERSONNEL

Air Facility Emergency Coordination  
Center (Building 2100, Administration  
Building)

MCAF Officer of the Day  
Other members as required

EAC #1, Building 3229, Shuck Hall,  
Barracks

MCAF Duty NCO  
MCAF A. Duty NCO

  
J. L. GRAHAM

DISTRIBUTION: A



UNITED STATES MARINE CORPS  
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AFO 3121.1D Ch 1  
AF 141  
22 Sep 00

AIR FACILITY ORDER 3121.1D CH 1

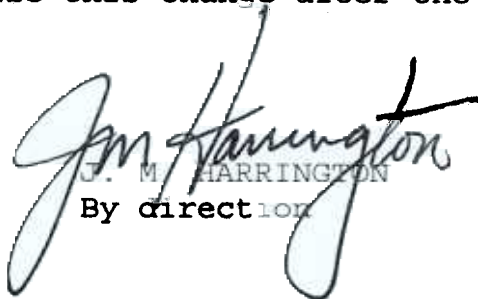
From: Commanding Officer  
To: Distribution List

Subj: DESTRUCTIVE WEATHER BILL

Purpose. To direct page replacements to the basic order.

2. Action. Replace enclosures (3 and 4) with the attached pages as indicated.

3. Filing Instructions. File this change after the signature page.

  
J. M. HARRINGTON  
By direct ion

DISTRIBUTION: A

01 SEP 1999

TERMINOLOGY

Purpose. To provide definitions of Meteorological terminology as it will appear on various warnings.

1. Local Wind Warning: Winds are approaching sufficient force to warrant the implementation of precautionary measures to prevent damage to government assets. Possible sustained winds and/or gusts of 20 - 33 knots.
2. Gale Warning: Sustained wind speeds and/or gusts of 34 - 47 knots.
3. Storm Warning: Sustained wind speeds and/or gusts of 48 - 63 knots.
4. Thunderstorm Advisory: Conditions are favorable for the development of thunderstorms.
5. Thunderstorm Warning: Meteorological conditions will include lightning, wind gusts of up to 49 knots and/or hail less than  $\frac{3}{4}$ " in diameter.
6. Severe Thunderstorm Warning: Meteorological conditions will include wind gusts of 50 knots or greater and/or hail  $\frac{3}{4}$ " or greater in diameter.
7. Tornado Watch: A strong potential exist for the development of tornadoes within the local area.
8. Tornado Warning: Tornadoes have been sighted or detected by radar in or adjacent to the local area. (Tornadoes move at an average speed of 20-40 knots but have been recorded at speeds of up to 70 knots).
9. Tropical Depression Warning: Constitutes the weakest stage of a tropical cyclone with a definite closed surface circulation. Associated wind speeds are 33 knots or less.
10. Tropical Storm Warning: Constitutes a tropical cyclone with wind speeds of 34 - 63 knots inclusive.
11. Hurricane Warning: Constitutes a tropical cyclone with wind speeds of 64 knots or greater.

01 SEP 1998

12. Snow/Ice Advisory. Snow, ice, or freezing/frozen precipitation is forecasted.
13. Snow Warning. A snowfall accumulation of two (2) to six (6) inches within a 24 hour period.
14. Winter Blizzard. Snow accumulation in excess of six (6) inches within a 24 hour period, which may be accompanied by high winds and subzero temperatures. These types of storms present dangerous wind chill factors and significant snowdrifts.
15. Ice Storm. Freezing rain with accumulation of one-quarter (1/4) inch or more of ice on exposed surfaces.
16. Freeze Warning. The temperature is forecast to drop to 32 degree's Fahrenheit or below and remain there for more than 24 hours.
17. Hard Freeze. The temperature is forecast to drop to 20 degree's Fahrenheit or below and remain there for more than 24 hours.
18. Flood Watch/Warning. Established by the National Weather Service when there is general/significant potential for flooding in a geographical area. - Or- Four (4) inches or more of rain is forecast to fall or has fallen in a 24 hour period.

01 SEP 1999

CONDITIONS OF READINESS AND PRECAUTIONARY MEASURES

Purpose. To outline the weather conditions of readiness which describe the potential destructive force of a storm and to provide the appropriate precautionary measures to be taken during each condition.

1. Thunderstorm/Severe Thunderstorm/Tornado Advisory

a. Conditions are favorable for the development of Thunderstorms/Severe Thunderstorms/Tornadoes within 50 nm of the Air Facility (MCAF) and MCCDC.

2. Tornado Conditions

a. Tornado Condition II

(1) Tornadoes have been sighted or are indicated by weather radar within 50 nm of MCAF and MCCDC.

-or-

(2) The National Severe Storm Forecast Center has issued a Severe Weather Warning (WW) for Tornadoes in an area that encompasses MCAF and MCCDC.

(a) Tornadoes move at an average speed of 20-40 knots but have been clocked at speeds of up to 70 knots.

(b) Upon notification of this condition, aircraft not scheduled to fly shall be hangared. Fixed wing aircraft may be tied down, in lieu of hangaring, at the discretion of the aircraft reporting custodian.

(c) All loose gear not required for anticipated flight operations will be secured indoors if at all practicable

(d) The Operations Officer shall maintain close liaison with the Weather section concerning the progress of the tornadoes.

(e) The Weather section shall maintain a 24 hour Forecaster watch whenever the National Weather Service issues a Severe Weather Warning (WW) for the area or a Tornado Condition II is issued and maintain that watch until the Respective Warning Condition no longer exists.

01 SEP 1999

b. Tornado Condition I

(1) Tornadoes have been sighted or are indicated by weather radar within 25 nm of MCAF or MCCDC.

-or-

(2) The National Severe Storm Forecast Center has issued a Severe Weather Warning (WW) for tornadoes in an area that encompasses MCAF and MCCDC.

(a) Tornadoes move at an average speed of 20-40 knots but have been clocked at speeds of up to 70 knots.

(b) Upon notification of this condition, aircraft not scheduled to fly shall be hangared. Fixed wing aircraft may be tied down, in lieu of hangaring, at the discretion of the aircraft reporting custodian.

(c) All loose gear not required for anticipated flight operations will be secured indoors if at all practicable

(d) The Operations Officer shall maintain close liaison with the Weather section concerning the progress of the tornadoes.

(e) The Weather section shall maintain a 24 hour Forecaster watch whenever the National Weather Service issues a Severe Weather Warning (WW) for the area or a Tornado Condition I is issued and maintain that watch until the respective warning condition no longer exists.

3. Thunderstorm/Severe Thunderstorm Conditions

a. Thunderstorm/Severe Thunderstorm Condition II

(1) Thunderstorms/Severe Thunderstorm (Severe is defined in enclosure (1) have formed within or are forecasted to move within 50 nm of MCAF and MCCDC within six (6) hours.

(2) Thunderstorms are always accompanied by lightning and thunder, usually with strong gusts of wind, heavy rain, and sometimes hail. They are usually of short duration, seldom over two hours for any one storm.

(3) Precautionary measures should be taken that allow for the appropriate state of readiness on short notice.

01 SEP 1999

**b. Thunderstorm/Severe Thunderstorm Condition I**

(1) Thunderstorms are imminent. They have formed within or are forecasted to move within 25 nm of the MCAF and MCCDC within three (3) hours.

- or

(2) The National Severe Storm Forecast Center has issued a Severe Weather Warning (WW) area that encompasses MCAF and MCCDC.

(a) Upon notification of this condition, aircraft not scheduled to fly should be hangared. Fixed wing aircraft may be tied down, in lieu of hangaring, at the discretion of the aircraft reporting custodian.

(b) All loose gear not required for anticipated flight operations will be secured indoors if at all practicable.

(c) The Operations Officer will maintain close liaison with the Weather section concerning the progress of the thunderstorms.

(d) The Weather section shall maintain a 24 hour forecaster watch whenever the National Weather Service issues Severe Weather Warning (WW) for the area, or a Thunderstorm Condition I is issued and maintain that watch until the respective warning condition no longer exists.

**\*\* NOTE:** Reference (c) prohibits refueling operations during thunderstorms when lightning is observed within 10 nautical miles of the airfield.

**c Thunderstorm/Severe Thunderstorm Condition IA**

(1) Thunderstorms are imminent or are within 10 nm of MCAF Quantico.

(2) SEE "NOTE" ABOVE

**4. Hurricane/Tropical Storm/Storm Conditions of Readiness**

a. Hurricane/Tropical Storm/Storm Condition IV. The path of the storm has been adequately established and its trend indicates

01 SEP 1999

a possible threat of destructive winds of 48 knots or greater within 72 hours.

(1) This condition is automatically established on 1 June and remains in effect until 1 December.

(2) Review hazardous/destructive weather implementation plans. Check all hurricane gear.

b. Hurricane/Tropical Storm/Storm Condition III.  
Destructive winds of 48 knots or greater are possible within 48 hours.

(1) Restrict non-tenant aircraft flight operations at the discretion of the Commanding Officer, MCAF.

(2) Prepare to secure all loose gear and to protect supplies that must remain outdoors.

(3) As practicable, prepare to move equipment and supplies into buildings.

(4) Officers-in-Charge of the Emergency Evacuation Center will make preliminary plans to provide emergency stowage of water, rations, foul weather gear, flashlights and lanterns in each Evacuation Assembly Area.

(5) MCAF Logistics Officer shall make preliminary plans to provide water and emergency rations in each building to be occupied by MCAF personnel during the storm.

(6) MCAF Section Heads shall prepare storm watch assignments and working party rosters. Acquaint all personnel with their duty stations and the equipment available for their use. Submit copies of watch assignments and working party rosters to MCAF Logistics Officer, noting location of duty posts and working parties.

(7) Tenant Activities shall notify the MCAF Operations Officer of number and type of flyable aircraft that cannot be hangared and will be evacuated.

(8) Tenant Activities shall notify the MCAF Operations Officer of any available unused hangar space.

AFO 3121.1D  
01 SEP 1999

(9) The Weather section shall maintain a 24 hour Forecaster watch until the Air Facility has been downgraded to Hurricane Condition IV.

c. Hurricane/Tropical Storm/Storm Condition II. Destructive winds of 48 knots or greater are anticipated within 24 hours.

(1) Restrict flight operations at the discretion of the Commanding Officer, MCAF.

(2) Secure all buildings, loose gear, and protect supplies that must remain outdoors.

(3) Move equipment and supplies into buildings as practicable.

(4) MCAF Logistics Officer will ensure the MCAF Dining Facility is stocked with a minimum of three days of rations and water.

(5) Secure all government vehicles not in use and not projected to be needed.

(6) All Civil Service personnel whose services are not considered essential during the emergency will be permitted to return to their homes.

(7) The Airfield Operations Officer will establish internal emergency communications as set forth in current directives and plan to utilize mobile radio equipment, aircraft radio equipment, aircraft radio and visual signals as available and appropriate.

(8) The MCAF Logistics Officer will maintain liaison with HMX-1 medical and the Navy Medical Regional Clinic, Quantico to ensure that a temporary first aid station is established with the Evacuation Assembly Area.

(9) The Weather section shall maintain a 24 hour Forecaster watch until the Air Facility has been downgraded to Hurricane Condition IV.

d. Hurricane/Tropical Storm/Storm Condition I. Destructive winds of 48 knots or greater are occurring or are anticipated within 12 hours.

AFO 3121.1D  
01 SEP 1999

(1) Secure Flight Operations except for evacuation departures and emergency operations as authorized by the Commanding Officer, MCAF. All aircraft not being used for emergency operations shall be hangared. Quantico Flying Club aircraft may be hangared in Hangar 2105 if space is available.

(2) Storm watches will be posted. All personnel should observe the following precautions:

(a) If working on or around aircraft or heavy equipment, ensure that equipment has been grounded.

(b) Do not touch fallen wires

(c) Secure all unnecessary gear

(d) Seek shelter as soon as possible.

(3) During the height of the storm, or when directed by the Commanding Officer, all personnel will take cover.

(4) Files, records and any other possibly destructive material will be moved away from windows and to higher levels if flood conditions are anticipated.

(5) The Weather section shall maintain a 24 hour Forecaster watch until MCAF has been downgraded to Hurricane Condition IV.

\*\* **NOTE:** When personal safety is threatened Weather Office personnel will proceed to designated shelters.

## 5. Wind Warnings

a. Local Wind Warning. Possible sustained winds and/or gusts of 20 - 33 knots.

(1) Winds are approaching sufficient force to warrant the implementation of precautionary measures to prevent damage to government assets.

(2) Secure buildings and loose gear that is likely to become hazardous as flying debris.

b. Gale Warning. Sustained wind speeds and/or gusts of 34 47 knots.

01 SEP 1999

(1) Winds are approaching sufficient force to warrant implementation of precautionary measures to prevent damage to government assets.

(2) Secure buildings and loose gear that is likely to become hazardous as flying debris.

c. Storm Warning. Sustained wind speeds and/or gusts of 48 - 63 knots. That are NOT associated with at tropical disturbance.

(1) Winds are approaching sufficient force to warrant implementation of precautionary measures to prevent damage to government assets.

(2) Secure buildings and loose gear that is likely to become hazardous as flying debris.

#### 6. Winter Storm/Blizzard Condition of Readiness

a. Snow/Ice Advisory. Issued whenever snow, ice or frozen freezing precipitation is forecasted.

b. Major Snowfall/Blizzard Warning  
than six

c. Winter Storm/Blizzard Advisory. Issued when conditions are favorable for snow accumulation of a non-routine nature (two (2) to six (6) inches) or blizzard conditions (greater than six (6) inches) during a 24 hour period. Blizzard conditions present dangerous wind chill factors and significant snowdrifts.

d. Winter Storm/Blizzard Condition IV. Two (2) to six (6) inches of snow or more than six (6) inches of snow is expected to fall on MCAF and MCB, Quantico (in a 24 hour period) within the next 72 hours. All personnel should review snow removal plans and Winter Storm/Blizzard Conditions tasks.

e. Winter Storm/Blizzard Condition III. Two (2) to six (6) inches of snow or more than six (6) inches of snow is expected to fall on MCAF and MCB, Quantico (in a 24 hour period) within the next 48 hours. During this condition, based on MCBO 11210.1A and AFO 11210.1E, designated organizations and personnel should ensure the following:

1. Inspect snow emergency vehicles and associated equipment

01 SEP 1999

2 Develop working party lists and assign personnel.

(3) Ensure emergency recall rosters and essential personnel lists are correct.

(4) Ensure runway and taxiway flags are erected as required.

(5) Conduct troop information briefings following the example in appendix C of MCBO P11210.1A.

f. Winter Storm/Blizzard Condition II. Two (2) to six (6) inches of snow/more than six (6) inches of snow is expected to fall on MCAF and MCB, Quantico (in a 24 hour period) within the next 24 hours. During this condition, based on MCBO 11210.1A and AFO 11210.1E, designated organizations and personnel should ensure the following:

(1) Conduct Troop information briefings to personnel not briefed previously.

(2) Begin pelloading and staging equipment, as required.

e. Winter Storm/Blizzard Condition I. Two (2) to six (6) inches of snow or more than six (6) inches of snow is expected to fall on MCAF and MCB, Quantico (in a 24 hour period) within the next 12 hours. During this condition, based on MCBO 11210.1A and AFO 11210.1E, designated organizations and personnel should ensure the following:

(1) Prepare contingency plans for modification of operations and training requirements.

(2) Identify evacuation shelters to be used in the event of severe storms per appendix 5 of MCB AT/FPP-99.

(3) Conduct final briefing and make preliminary decisions on operations.

# CONDITIONS OF READINESS

## TROPICAL CYCLONE, SUBTROPICAL, OR EXTRA-TROPICAL WIND STORMS AND WINTER STORMS OR BLIZZARDS

(Warning Conditions for Storm, Tropical Storm, Hurricanes, Winter Storms or Blizzards)

CONDITION IV	Trend indicates a possible threat of destructive winds of <b>48 knots (55 mph) or greater - or -</b> freezing/frozen precipitation or blizzard type snowfall with an expected <b>accumulation of more than 6 inches (in a 24 hour period) <u>within 72 hours</u></b> . Review hazardous and destructive weather implementation plans, as established by local regulations.
CONDITION III	Destructive winds of <b>48 knots (55 mph) or greater - or -</b> freezing/frozen precipitation or blizzard type snowfall with an expected <b>accumulation of more than 6 inches (in a 24 hour period) <u>within 48 hours</u></b> . Take preliminary precautions.
CONDITION II	Destructive winds of <b>48 knots (55 mph) or greater - or -</b> freezing/frozen precipitation or blizzard type snowfall with an expected <b>accumulation of more than 6 inches (in a 24 hour period) <u>within 24 hours</u></b> . Take precautions that will permit establishment of an appropriate state of readiness on short notice.
CONDITION I	Destructive winds of <b>48 knots (55 mph) or greater - or -</b> freezing/frozen precipitation or blizzard type snowfall with an expected <b>accumulation of more than 6 inches (in a 24 hour period) <u>are occurring or are anticipated within 12 hours</u></b> . Take final precautions as prescribed.

\*\* Gale = 34-47 knots, Storm/Tropical Storm = 48-63 knots, Hurricane = 64 knots or greater\*\*

\*\*\* (1 knot = 1.15 mph)

# CONDITIONS OF READINESS THUNDERSTORM OR TORNADO WARNING

<p><b>CONDITION II</b></p>	<p>Destructive winds, accompanying the phenomena indicated, have formed or are expected to move <u>within 50nm of MCAF or MCCDC within 6 hours</u>. Associated lightning/thunder, torrential rain, hail, severe downbursts, and sudden wind shifts are possible. Take precautions that will permit establishment of an appropriate state of readiness on short notice.</p>
<p><b>CONDITION I</b></p>	<p>Destructive winds, accompanying the phenomena indicated, have formed or are expected to move <u>within 25nm of MCAF or MCCDC within 3 hours</u>. Associated lightning/thunder, torrential rain, hail, severe downbursts, and sudden wind shifts are possible. Take precautions that will permit establishment of an appropriate state of readiness on short notice.</p>
<p><b>CONDITION IA</b></p>	<p>Thunderstorms are imminent or are <u>within 10nm of MCAF</u>. Take immediate safety precautions and shelter. <u>Aircraft refueling is prohibited</u>.</p>

\*\*\* A Severe Thunderstorm is a storm with wind gusts of 50 knots or greater and/or hail 3/4" or greater in diameter.

**WEATHER CONDITION / WARNING CALL SHEET**

Type of Condition/ Warning: \_\_\_\_\_  
 Minimum Forecasted Conditions: \_\_\_\_\_  
 Forecaster: \_\_\_\_\_ Issue Date/ Time: \_\_\_\_\_  
 Valid Date/Time \_\_\_\_\_ To: \_\_\_\_\_  
 Extended to: \_\_\_\_\_ Canceled at: \_\_\_\_\_ /

MARINE CORPS AIR FACILITY			ISSUED		EXTENDED		CANCELED	
Unit/Organization	DWH	AWH	RCVR INIT	TIME	RCVR INIT	TIME	RCVR INIT	TIME
Tower	4795							
MCAF CO	2442							
S-3 Operations	2908							
Airfield Ops	2428							
HMX-1 Duty Officer	2760	2760						
Flight Clearance	2085							
Crash Fire Rescue	2571	2312/2571						
Refuelers ****	4297							
Aero Club	640-6596							
MCAF AAFDO	2441							
OBSERVER INITIALS								

MCCDC			ISSUED		EXTENDED		CANCELED	
Unit / Organization	DWH	AWH	RCVR INIT	TIME	RCVR INIT	TIME	RCVR INIT	TIME
Guad Maint.	5311/13							
Range Control	5321/22	5321/22						
Fac Maint. (a,b)	2072	2072						
Fac Main. Sub Brch	3500	N/A						
PMO	2251/2/3							
EOD	5314	5314						
MCCDC Fuel farm(a)	5372							
Ammo Supply pt (a)	5296							
EOC	6695/6996							
MCCDC Duty Officer	N/A	2707						
MWR Ops	3004/5805							
Boat Docks (c)	2359	2359						
"E" Pool (a,d)	2973	2973						
"O" Pool (a,d)	3507	3507						
BaseStables(a,b,c)	2288/2930	2288/2930						
O.C.S. TRAINING	2565/2830	2351/2352						
DIRECTOR OPS.MCB (e)	2811/2814							
OBSERVER INITIALS								

\*\*\*\*\*IF REFUELER NUMBER IS BUSY CALL THEIR BEEPER (703)705-2054\*\*\*\*\*

- a - Thunderstorm Conditions ONLY.
- b - Snow / ICE / FREEZE Warnings ONLY (In the event that 2" to 6" of snow is forecasted to accumulate, within a 24 hour period, contact the OpsO, XO, and CO IMMEDIATELY).
- c - Wind Warning ONLY.
- d - During hours / seasons of operation ONLY (Memorial Day - Labor Day).
- e- Tornadoes, Hurricanes, Wind Storms, Flood Watch/Warning (or whenever 4" or more of rain is measured in a 24 hr period. Whenever a Flood Warning is issued provide hourly updates to MCB) and Winter Blizzards ONLY (accumulation greater than 6"/24hr period).
- Thunderstorm Condition II - Thunderstorms / Severe Thunderstorm / Tornadoes have formed within or are forecasted to move within 50 NM of MCCDC. (Call MCCDC & MCAF)
- Thunderstorm Condition I - Thunderstorms / Severe Thunderstorm / Tornadoes have formed within or are forecasted to move within 25 NM of MCCDC. (Call MCCDC & MCAF)
- Thunderstorm Condition IA - Thunderstorms / Severe Thunderstorms are imminent. They have formed within or are forecasted to move within 10 NM of the Air Facility. (Call MCAF only)
- Local Wind Warning - Possible sustained wind and/ or gusts of 20 - 33 knots. (Call MCCDC and MCAF)
- Gale Wind Warning - Possible sustained wind and/or gusts of 34 -47 knots. (Call MCCDC and MCAF)
- Storm Wind Warning - Possible sustained wind and/or gusts of 48 knots or greater. (Call MCCDC and MCAF)

Revised (07/99)

ENCLOSURE

AFO 3121.D  
01 SEP 1999

SAMPLE MESSAGE OF MCAF AIRFIELD OPERATIONS

OTTUZYUW RULSMCA0001 DTGTIME-UUUU--RHMCSUU.  
ZNR UUUUU  
O DTIMEZ MON YR ZYB  
FM MCAF QUANTICO VA//AF-143//  
TO ALL AIRACT CONUS  
CMC WASHINGTON DC//ASM//  
COMMARFORLANT//G3//  
USTRANSCOM SCOTT AFB IL//J3-0J//  
COMCABEAST CHERRY PT NC//OPS//  
HMX ONE QUANTICO VA//OPS//  
INFO CG MCCDC QUANTICO VA//OPSDIV/MCU/TBS-C405//  
MCAF QUANTICO VA//AF-143//  
BT  
UNCLAS //N03000//  
MSGID/GENADMIN/AF-143//  
SUBJ/NOTAM/MCAF QUANTICO (KNYG) AIRFIELD CLOSURE//  
POC/NAME INT./RANK/MCAF OPS/-/TEL:DSN 278-2908  
/TEL:COMM (703)784-2908//  
RMKS/1. MCAF QUANTICO WILL BE CLOSED FROM TIME(L) DD MON YR  
DUE TO DESTRUCTIVE WEATHER CONDITIONS. NOTIFICATION OF THE  
REESTABLISHMENT OF AIRFIELD OPERATIONS WILL BE VIA SEPERATE  
CORRESPONDENCE.//  
BT  
#0001  
NNNN

NOTE: Items that are underlined, **bolded** and *italics* will be  
changed with each new message.



UNITED STATES MARINE CORPS  
MARINE CORPS AIR FACILITY  
2100 ROWELL ROAD  
QUANTICO, VIRGINIA 22134-5063

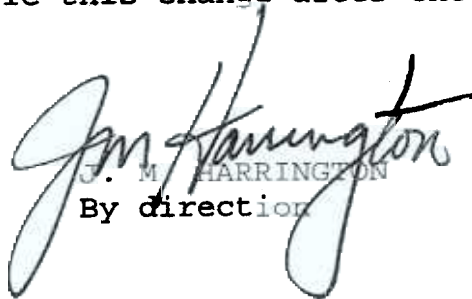
IN REPLY REFER TO  
AFO 3121.1D Ch 1  
AF 141  
22 Sep 00

AIR FACILITY ORDER 3121.1D CH 1

From Commanding Officer  
To: Distribution List

Subj: DESTRUCTIVE WEATHER BILL

1. Purpose To direct page replacements to the basic order
2. Action. Replace enclosures (3) and (4) with the attached pages as indicated
3. Filing Instructions. File this change after the signature page.

  
J. M. HARRINGTON  
By direction

DISTRIBUTION: A

# CONDITIONS OF READINESS

## TROPICAL CYCLONE, SUBTROPICAL, OR EXTRA-TROPICAL WIND STORMS AND WINTER STORMS OR BLIZZARDS

(Warning Conditions for Storm, Tropical Storm, Hurricanes, Winter Storms or Blizzards)

CONDITION IV	Trend indicates a possible threat of destructive winds of <b>48 knots (55 mph) or greater - or -</b> freezing/frozen precipitation or blizzard type snowfall with an expected <b>accumulation of more than 6 inches (in a 24 hour period) <u>within 72 hours</u></b> . Review hazardous and destructive weather implementation plans, as established by local regulations.
CONDITION III	Destructive winds of <b>48 knots (55 mph) or greater - or -</b> freezing/frozen precipitation or blizzard type snowfall with an expected <b>accumulation of more than 6 inches (in a 24 hour period) <u>within 48 hours</u></b> . Take preliminary precautions.
CONDITION II	Destructive winds of <b>48 knots (55 mph) or greater - or -</b> freezing/frozen precipitation or blizzard type snowfall with an expected <b>accumulation of more than 6 inches (in a 24 hour period) <u>within 24 hours</u></b> . Take precautions that will permit establishment of an appropriate state of readiness on short notice.
CONDITION I	Destructive winds of <b>48 knots (55 mph) or greater - or -</b> freezing/frozen precipitation or blizzard type snowfall with an expected <b>accumulation of more than 6 inches (in a 24 hour period) <u>are occurring or are anticipated within 12 hours</u></b> . Take final precautions as prescribed.

\*\* Gale = 34-47 knots, Storm/Tropical Storm = 48-63 knots, Hurricane = 64 knots or greater\*\*

\*\*\* (1 knot = 1.15 mph)

# CONDITIONS OF READINESS

## THUNDERSTORM OR TORNADO WARNING

<b>CONDITION II</b>	Destructive winds, accompanying the phenomena indicated, have formed or are expected to move <b><u>within 50nm of MCAF or MCCDC within 6 hours.</u></b> Associated lightning/thunder, torrential rain, hail, severe downbursts, and sudden wind shifts are possible. Take precautions that will permit establishment of an appropriate state of readiness on short notice.
<b>CONDITION I</b>	Destructive winds, accompanying the phenomena indicated, have formed or are expected to move <b><u>within 25nm of MCAF or MCCDC within 3 hours.</u></b> Associated lightning/thunder, torrential rain, hail, severe downbursts, and sudden wind shifts are possible. Take precautions that will permit establishment of an appropriate state of readiness on short notice.
<b>CONDITION IA</b>	Thunderstorms are imminent or are <b><u>within 10nm of MCAF.</u></b> Take immediate safety precautions and shelter. <b>Aircraft refueling is prohibited.</b>

\*\*\* A Severe Thunderstorm is a storm with wind gusts of 50 knots or greater and/or hail 3/4" or greater in diameter.

**WEATHER CONDITION / WARNING CALL SHEET**

Type of Condition/ Warning: \_\_\_\_\_  
Minimum Forecasted Conditions: \_\_\_\_\_  
Forecaster: \_\_\_\_\_ Issue Date/ Time: \_\_\_\_\_/\_\_\_\_\_  
Valid Date/Time: \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_ To: \_\_\_\_\_/\_\_\_\_\_  
Extended to: \_\_\_\_\_ Canceled at: \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_

MARINE CORPS AIR FACILITY			ISSUED		EXTENDED		CANCELED	
Unit/Organization	DWH	AWH	RCVR INIT	TIME	RCVR INIT	TIME	RCVR INIT	TIME
Tower	4795							
MCAF CO	2442							
S-3 Operations	2908							
Airfield Ops	2428							
HMX-1 Duty Officer	2760	2760						
Flight Clearance	2085							
Crash Fire Rescue	2571	2312/2571						
Refuelers ****	4297							
Aero Club	640-6596							
MCAF AAFDO	2441							
OBSERVER INITIALS								
MCCDC			ISSUED		EXTENDED		CANCELED	
Unit / Organization	DWH	AWH	RCVR INIT	TIME	RCVR INIT	TIME	RCVR INIT	TIME
Guad Maint.	5311/13							
Range Control	5321/22	5321/22						
Fac Maint. (a,b)	2072	2072						
Fac Main. Sub Brch	3500	N/A						
PMO	2251/2/3							
EOD	5314	5314						
MCCDC Fuel farm(a)	5372							
Ammo Supply pt (a)	5296							
EOC	6695/6996							
MCCDC Duty Officer	N/A	2707						
MWR Ops	3004/5805							
Boat Docks (c)	2359	2359						
"E" Pool (a,d)	2973	2973						
"O" Pool (a,d)	3507	3507						
BaseStables(a,b,c)	2288/2930	2288/2930						
O.C.S. TRAINING	2565/2830	2351/2352						
DIRECTOR OPS.MCB (e)	2811/2814							
OBSERVER INITIALS								

\*\*\*\*\*IF REFUELER NUMBER IS BUSY CALL THEIR BEEPER (703) 705-2054\*\*\*\*\*

- a - Thunderstorm Conditions ONLY.
- b - Snow / ICE / FREEZE Warnings ONLY (In the event that 2" to 6" of snow is forecasted to accumulate, within a 24 hour period, contact the OpsO, XO, and CO IMMEDIATELY).
- c - Wind Warning ONLY.
- d - During hours / seasons of operation ONLY (Memorial Day - Labor Day).
- e- Tornadoes, Hurricanes, Wind Storms, Flood Watch/Warning (or whenever 4" or more of rain is measured in a 24 hr period. Whenever a Flood Warning is issued provide hourly updates to MCB) and Winter Blizzards ONLY (accumulation greater than 6"/24hr period).
- Thunderstorm Condition II - Thunderstorms / Severe Thunderstorm / Tornadoes have formed within or are forecasted to move within 50 NM of MCCDC. (Call MCCDC & MCAF)
- Thunderstorm Condition I - Thunderstorms / Severe Thunderstorm / Tornadoes have formed within or are forecasted to move within 25 NM of MCCDC. (Call MCCDC & MCAF)
- Thunderstorm Condition IA - Thunderstorms / Severe Thunderstorms are imminent. They have formed within or are forecasted to move within 10 NM of the Air Facility. (Call MCAF only)
- Local Wind Warning - Possible sustained wind and/ or gusts of 20 - 33 knots. (Call MCCDC and MCAF)
- Gale Wind Warning - Possible sustained wind and/or gusts of 34 -47 knots. (Call MCCDC and MCAF)
- Storm Wind Warning - Possible sustained wind and/or gusts of 48 knots or greater. (Call MCCDC and MCAF)